# BRUHAT BANGALORE MAHANAGARA PALIKE

## YELAHANKA ZONE

**Name of Work: Estimate for balance Patching pot holes in main and cross roads of Sahakaranagara B, C and D block, defence colony, CQAL layout and surrounding areas in ward no. 8**

**Estimate Cost Rs. 200000.00**

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate (Rs.) | Amount (Rs.) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | KSRRB 300-1. Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications MORTH chapter 3. Page No. 141 / Item No. 19.1/ PWD SR 2015-16 | | | | | | | | |
| | **Sahakaranagara** | | | | | | | | |
| | 13th main potholes | cum | 1 | 1.00 | 2.00 | 0.20 | 0.40 | | |
| | Road cutting | cum | 2 | 5.00 | 1.00 | 0.20 | 2.00 | | |
| | 9th main road cutting | cum | 5 | 5.00 | 0.50 | 0.20 | 2.50 | | |
| | Potholes | cum | 3 | 0.50 | 0.50 | 0.20 | 0.15 | | |
| | | cum | 3 | 0.50 | 0.50 | 0.20 | 0.15 | | |
| | **5th main** | cum | 1 | 5.00 | 0.50 | 0.20 | 0.50 | | |
| | **16th 'D' Cross** | | | | | | | | |
| | Road cutting | cum | 1 | 5.00 | 0.50 | 0.20 | 0.50 | | |
| | Potholes | cum | 2 | 1.50 | 1.00 | 0.20 | 0.60 | | |
| | **16th 'F' Cross** | | | | | | | | |
| | Road cutting | cum | 3 | 5.00 | 0.50 | 0.20 | 1.50 | | |
| | **16th 'E' Cross** | cum | | | | | | | |
| | Road cutting | cum | 3 | 5.00 | 0.50 | 0.20 | 1.50 | | |
| | **10th Main** | | | | | | | | |
| | Potholes | cum | 1 | 2.00 | 1.00 | 0.20 | 0.40 | | |
| | | cum | 1 | 2.00 | 2.00 | 0.20 | 0.80 | | |
| | Road cutting | cum | 1 | 5.00 | 0.50 | 0.20 | 0.50 | | |
| | **10th Cross** | | | | | | | | |
| | Potholes | cum | 1 | 2.00 | 1.00 | 0.20 | 0.40 | | |
| | Road cutting | cum | 1 | 5.00 | 0.50 | 0.20 | 0.50 | | |
| | **11th Cross** | | | | | | | | |
| | Road cutting | cum | 1 | 5.00 | 1.50 | 0.20 | 1.50 | | |
| | Potholes | cum | 1 | 2.50 | 1.00 | 0.20 | 0.50 | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| **8th Cross** | | | | | | |
| Road cutting | cum | 3 | 5.00 | 0.50 | 0.20 | 1.50 |
| **24th Cross 'C' Block** | | | | | | |
| Potholes | cum | 1 | 2.00 | 1.00 | 0.20 | 0.40 |
| **12th Main 'B' Block** | | | | | | |
| Potholes | cum | 1 | 1.00 | 1.00 | 0.20 | 0.20 |
| | cum | 1 | 4.00 | 3.00 | 0.20 | 2.40 |
| | cum | 1 | 5.00 | 4.00 | 0.20 | 4.00 |
| Road cutting | cum | 1 | 5.00 | 2.50 | 0.20 | 2.50 |
| **10th Main 'B' Block** | | | | | | |
| Road cutting | cum | 1 | 5.00 | 1.00 | 0.20 | 1.00 |
| **CQAL Layout** | | | | | | |
| **7th Main** | | | | | | |
| Road cutting | cum | 1 | 5.00 | 0.50 | 0.20 | 0.50 |
| | cum | 5 | 5.00 | 0.50 | 0.20 | 2.50 |
| Right Side Poholes | cum | 1 | 5.00 | 2.00 | 0.20 | 2.00 |
| | | 1 | 4.00 | 1.00 | 0.20 | 0.80 |
| **6th Main** | | | | | | |
| Road cutting | cum | 1 | 5.00 | 0.50 | 0.20 | 0.50 |
| Potholes | cum | 1 | 1.00 | 1.00 | 0.20 | 0.20 |
| **21st Main** | | | | | | |
| Road cutting | cum | 1 | 5.00 | 0.50 | 0.20 | 0.50 |
| **5th Main** | | | | | | |
| Road cutting | cum | 4 | 5.00 | 0.50 | 0.20 | 2.00 |
| Potholes | cum | 1 | 3.00 | 2.00 | 0.20 | 1.20 |
| **4th Main** | | | | | | |
| Road cutting | cum | 2 | 5.00 | 3.50 | 0.20 | 7.00 |
| | cum | 1 | 5.00 | 2.00 | 0.20 | 2.00 |
| | cum | 3 | 5.00 | 0.50 | 0.20 | 1.50 |
| **3rd Main** | | | | | | |
| Road cutting | cum | 1 | 5.00 | 2.00 | 0.20 | 2.00 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | cum | 2 | 5.00 | 0.50 | 0.20 | 1.00 | | |
| Potholes | cum | 1 | 3.50 | 1.00 | 0.20 | 0.70 | | |
| | cum | 1 | 1.00 | 1.00 | 0.20 | 0.20 | | |
| | cum | 1 | 5.00 | 1.00 | 0.20 | 1.00 | | |
| | cum | 1 | 3.00 | 1.00 | 0.20 | 0.60 | | |
| **20th 'C' Cross** | | | | | | | | |
| Potholes | cum | 2 | 6.00 | 7.00 | 0.20 | 16.80 | | |
| Road cutting | cum | 2 | 5.00 | 0.50 | 0.20 | 1.00 | | |
| **2nd Main** | | | | | | | | |
| Road cutting | cum | 2 | 5.00 | 0.50 | 0.20 | 1.00 | | |
| **6th Main** | | | | | | | | |
| Road cutting | cum | 9 | 5.00 | 0.50 | 0.20 | 4.50 | | |
| Potholes | cum | 3 | 1.00 | 1.00 | 0.20 | 0.60 | | |
| **5th Main** | | | | | | | | |
| Road cutting | cum | 2 | 5.00 | 0.50 | 0.20 | 1.00 | | |
| **4th Main** | | | | | | | | |
| Potholes | cum | 1 | 1.00 | 1.00 | 0.20 | 0.20 | | |
| | cum | 1 | 1.50 | 1.00 | 0.20 | 0.30 | | |
| Road cutting | cum | 1 | 5.00 | 0.50 | 0.20 | 0.50 | | |
| | | 92 | | | | 78.50 | 86.92 | 6823.00 |

| | |
|---|---|
| Basic Rate | 82.00 |
| Area Weightage @ 6% | 4.92 |
| Total | 86.92 |

2 KSRRB M400-17: Providing, laying spreading and compacting graded stones aggregate to wet mix macadam specifications including premixing the material with water at OMC in mechanical mix plant carriage of mixed method of tipper to site, laying, in uniform layers with paver in sub base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per MORTH specification NO. 406, Page No. 157 / Item No. 20.18 / PWD SR 2015-16

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **Sahakaranagara** | | | | | | | | |
| 13th main potholes | cum | 1 | 1.00 | 2.00 | 0.10 | 0.20 | | |
| Road cutting | cum | 2 | 5.00 | 1.00 | 0.10 | 1.00 | | |
| 9th main road cutting | cum | 5 | 5.00 | 0.50 | 0.10 | 1.25 | | |
| Potholes | cum | 3 | 0.50 | 0.50 | 0.10 | 0.07 | | |
| | cum | 3 | 0.50 | 0.50 | 0.10 | 0.07 | | |

| | | | | | | |
|---|---|---|---|---|---|---|
| **5th main** | cum | 1 | 5.00 | 0.50 | 0.10 | 0.25 |
| **16th 'D' Cross** | | | | | | |
| Road cutting | cum | 1 | 5.00 | 0.50 | 0.10 | 0.25 |
| Potholes | cum | 2 | 1.50 | 1.00 | 0.10 | 0.30 |
| **16th 'F' Cross** | | | | | | |
| Road cutting | cum | 3 | 5.00 | 0.50 | 0.10 | 0.75 |
| **16th 'E' Cross** | cum | | | | | |
| Road cutting | cum | 3 | 5.00 | 0.50 | 0.10 | 0.75 |
| **10th Main** | | | | | | |
| Potholes | cum | 1 | 2.00 | 1.00 | 0.10 | 0.20 |
| | cum | 1 | 2.00 | 2.00 | 0.10 | 0.40 |
| Road cutting | cum | 1 | 5.00 | 0.50 | 0.10 | 0.25 |
| **10th Cross** | | | | | | |
| Potholes | cum | 1 | 2.00 | 1.00 | 0.10 | 0.20 |
| Road cutting | cum | 1 | 5.00 | 0.50 | 0.10 | 0.25 |
| **11th Cross** | | | | | | |
| Road cutting | cum | 1 | 5.00 | 1.50 | 0.10 | 0.75 |
| Potholes | cum | 1 | 2.50 | 1.00 | 0.10 | 0.25 |
| **8th Cross** | | | | | | |
| Road cutting | cum | 3 | 5.00 | 0.50 | 0.10 | 0.75 |
| **24th Cross 'C' Block** | | | | | | |
| Potholes | cum | 1 | 2.00 | 1.00 | 0.10 | 0.20 |
| **10th Main 'B' Block** | | | | | | |
| Road cutting | cum | 1 | 5.00 | 1.00 | 0.10 | 0.50 |
| **CQAL Layout** | | | | | | |
| **7th Main** | | | | | | |
| Road cutting | cum | 1 | 8.00 | 0.50 | 0.10 | 0.40 |
| | cum | 5 | 5.00 | 0.50 | 0.10 | 1.25 |
| Right Side Poholes | cum | 1 | 5.00 | 2.00 | 0.10 | 1.00 |
| | | 1 | 4.00 | 1.00 | 0.10 | 0.40 |
| **6th Main** | | | | | | |
| Road cutting | cum | 1 | 5.00 | 0.50 | 0.10 | 0.25 |
| Potholes | cum | 1 | 1.00 | 1.00 | 0.10 | 0.10 |
| **21st Main** | | | | | | |
| Road cutting | cum | 1 | 5.00 | 0.50 | 0.10 | 0.25 |
| **5th Main** | | | | | | |
| Road cutting | cum | 4 | 5.00 | 0.50 | 0.10 | 1.00 |
| Potholes | cum | 1 | 3.00 | 2.00 | 0.10 | 0.60 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **4th Main** | | | | | | | | |
| Road cutting | cum | 2 | 5.00 | 3.50 | 0.10 | 3.50 | | |
| | cum | 1 | 5.00 | 2.00 | 0.10 | 1.00 | | |
| | cum | 3 | 5.00 | 0.50 | 0.10 | 0.75 | | |
| **3rd Main** | | | | | | | | |
| Road cutting | cum | 1 | 6.00 | 2.00 | 0.10 | 1.20 | | |
| | cum | 2 | 5.00 | 0.50 | 0.10 | 0.50 | | |
| Potholes | cum | 1 | 3.50 | 1.00 | 0.10 | 0.35 | | |
| | cum | 1 | 1.00 | 1.00 | 0.10 | 0.10 | | |
| | cum | 1 | 5.00 | 1.00 | 0.10 | 0.50 | | |
| | cum | 1 | 3.00 | 1.00 | 0.10 | 0.30 | | |
| **20th 'C' Cross** | | | | | | | | |
| Potholes | cum | 2 | 6.00 | 7.00 | 0.10 | 8.40 | | |
| Road cutting | cum | 2 | 5.00 | 0.50 | 0.10 | 0.50 | | |
| **2nd Main** | | | | | | | | |
| Road cutting | cum | 2 | 5.00 | 0.50 | 0.10 | 0.50 | | |
| **6th Main** | | | | | | | | |
| Road cutting | cum | 9 | 5.00 | 0.50 | 0.10 | 2.25 | | |
| Potholes | cum | 3 | 1.00 | 1.00 | 0.10 | 0.30 | | |
| **5th Main** | | | | | | | | |
| Road cutting | cum | 2 | 5.00 | 0.50 | 0.10 | 0.50 | | |
| **4th Main** | | | | | | | | |
| Potholes | cum | 1 | 1.00 | 1.00 | 0.10 | 0.10 | | |
| | cum | 1 | 1.50 | 1.00 | 0.10 | 0.15 | | |
| Road cutting | cum | 1 | 5.00 | 0.50 | 0.10 | 0.25 | | |
| | | | | | | 35.04 | 1768.08 | 61954.00 |

| | |
|---|---|
| Basic Rate | 1668.00 |
| Area Weightage @ 6% | 100.08 |
| Total | 1768.08 |

3 KSRRB 3000: Filling Pot-holes and patch repairs with bituminous concrete, 40 mm, KSRRB M3000-5, Removal of all failed material, trimming of completed excavation to provide firm vertical faces, cleaning of surface, painting of tack coat on the sides and base of excavation as per clause 500.3 back filling the pot hole with bituminous material as per clause 500.4 compacting, trimming and finishing the surface to form a smooth continuous surface, all as per clause 3004.2 complete as per specifications, MORTH specification No. 3004.2, No. 250 / Item No. 35.5 PWD SR 2015-16

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|---|---|---|---|---|---|
| **Sahakaranagara** | | | | | |
| 13th main potholes | Sqm | 4 | 1.00 | 2.00 | 7.00 |
| Road cutting | Sqm | 2 | 5.00 | 1.00 | 8.00 |
| 9th main road cutting | Sqm | 5 | 5.00 | 0.50 | 10.50 |
| Potholes | Sqm | 3 | 0.50 | 0.50 | 4.00 |

| | | | | | |
|---|---|---|---|---|---|
| | Sqm | 3 | 0.50 | 0.50 | 4.00 |
| **5th main** | Sqm | 4 | 5.00 | 0.50 | 9.50 |
| **16th 'D' Cross** | | | | | |
| Road cutting | Sqm | 4 | 5.00 | 0.50 | 9.50 |
| Potholes | Sqm | 2 | 1.50 | 1.00 | 4.50 |
| **16th 'F' Cross** | | | | | |
| Road cutting | Sqm | 3 | 5.00 | 0.50 | 8.50 |
| **16th 'E' Cross** | | | | | |
| Road cutting | Sqm | 3 | 5.00 | 0.50 | 8.50 |
| **10th Main** | | | | | |
| Potholes | Sqm | 2 | 2.00 | 1.00 | 5.00 |
| | Sqm | 2 | 2.00 | 2.00 | 6.00 |
| Road cutting | Sqm | 4 | 5.00 | 0.50 | 9.50 |
| **10th Cross** | | | | | |
| Potholes | Sqm | 1 | 2.00 | 1.00 | 4.00 |
| Road cutting | Sqm | 4 | 5.00 | 0.50 | 9.50 |
| **11th Cross** | | | | | |
| Road cutting | Sqm | 4 | 5.00 | 1.50 | 10.50 |
| Potholes | Sqm | 2 | 2.50 | 1.00 | 5.50 |
| **8th Cross** | | | | | |
| Road cutting | Sqm | 3 | 5.00 | 0.50 | 8.50 |
| **24th Cross 'C' Block** | | | | | |
| Potholes | Sqm | 2 | 2.00 | 1.00 | 5.00 |
| **10th Main 'B' Block** | | | | | |
| Road cutting | Sqm | 4 | 5.00 | 1.00 | 10.00 |
| **CQAL Layout** | | | | | |
| **7th Main** | | | | | |
| Road cutting | Sqm | 6 | 8.00 | 0.50 | 14.50 |
| | Sqm | 5 | 5.00 | 0.50 | 10.50 |
| Right Side Poholes | Sqm | 4 | 5.00 | 2.00 | 11.00 |
| | Sqm | 3 | 4.00 | 1.00 | 8.00 |
| **6th Main** | | | | | |
| Road cutting | Sqm | 4 | 5.00 | 0.50 | 9.50 |
| Potholes | Sqm | 1 | 1.00 | 1.00 | 3.00 |
| **21st Main** | | | | | |
| Road cutting | Sqm | 4 | 5.00 | 0.50 | 9.50 |
| **5th Main** | | | | | 0.00 |
| Road cutting | Sqm | 4 | 5.00 | 0.50 | 9.50 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | Potholes | Sqm | 2 | 3.00 | 2.00 | 7.00 | | |
| | **4th Main** | | | | | | | |
| | Road cutting | Sqm | 4 | 5.00 | 3.50 | 12.50 | | |
| | | Sqm | 3 | 5.00 | 2.00 | 10.00 | | |
| | | Sqm | 4 | 5.00 | 0.50 | 9.50 | | |
| | **3rd Main** | | | | | | | |
| | Road cutting | Sqm | 6 | 6.00 | 2.00 | 14.00 | | |
| | | Sqm | 4 | 5.00 | 0.50 | 9.50 | | |
| | Potholes | Sqm | 2 | 3.50 | 1.00 | 6.50 | | |
| | | Sqm | 1 | 1.00 | 1.00 | 3.00 | | |
| | | Sqm | 2 | 5.00 | 1.00 | 8.00 | | |
| | | Sqm | 2 | 3.00 | 1.00 | 6.00 | | |
| | **20th 'C' Cross** | | | | | | | |
| | Potholes | Sqm | 6 | 6.00 | 7.00 | 19.00 | | |
| | Road cutting | Sqm | 4 | 5.00 | 0.50 | 9.50 | | |
| | **2nd Main** | | | | | | | |
| | Road cutting | Sqm | 4 | 5.00 | 0.50 | 9.50 | | |
| | **6th Main** | | | | | | | |
| | Road cutting | Sqm | 9 | 5.00 | 0.50 | 14.50 | | |
| | Potholes | Sqm | 3 | 1.00 | 1.00 | 5.00 | | |
| | **5th Main** | | | | | | | |
| | Road cutting | Sqm | 4 | 5.00 | 0.50 | 9.50 | | |
| | **4th Main** | | | | | | | |
| | Potholes | Sqm | 1 | 1.00 | 1.00 | 3.00 | | |
| | | Sqm | 1 | 1.50 | 1.00 | 3.50 | | |
| | Road cutting | Sqm | 4 | 5.00 | 0.50 | 9.50 | | |
| | | | 158 | | | | | |
| | | | | | | 392.00 | 302.10 | 118423.00 |
| | Basic Rate | 285.00 | | | | | | |
| | Area Weightage @ 6% | 17.10 | | | | | | |
| | Total | 302.10 | | | | | | |
| 4 | Lead and disposal of Item No.1 & Road side debris | | | | | 78.50 | | |
| | | | | | | 20.00 | | |
| | | | | | | 98.50 | 106.00 | 10441.00 |
| 5 | Sub -Total | | | | | | | 197641.00 |
| 6 | For Third Part QC inspection Charges @ 1% of Estimate Cost | | | | | | | 1976.00 |
| | | | | | | | | 199617.00 |

| | | |
|---|---|---|
| 7 | Miscellaneous and unforeseen charges | 383.00 |
| | Total | 200000.00 |

(Rupees Six Lakhs Only)

**CERTIFICATE:**

1 The work spot has been inspected and the work is found necessary.

2 This estimate is prepared as per P.W.D S.R of 2015-16.

3 The provisions were made in this estimate are necessary and adequate.

4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward no. 8

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP

Executive Engineer 30/01
Byatarayanapura Division
BBMP
30/01

TECHNICAL SANCTION
Accorded For Rs. Two lakhs only
Head of A/c. P-1771
Div. Ref. No. 154/16-17 Date. 03/02/2017
AE
EE(BTP) 3/02